

2/24	3/24
4/24	5/24
6/24	7/24

Fig. 1

<u>.</u>

-60	tga	aaa	.gat	aga	ata	aat	ggc	ctc	gtg
1	ATG								GAG
1	M	A	R	P	A	L	L	G	E
61	_						•		GTT
21	G	Q	V	A	А	А	$^{\mathrm{T}}$	E	V
121		AAT							
41	E	N	L	С	T	Ι	I	W	${f T}$
181	ACT	СТС	AGA	TAT	TTT	AGT	CAC	$ ext{TTT}$	GAT
61	${f T}$	L	R	Y	F	S	Н	F	D
241	CAT	CGT	AAA	GAG	GAA		CCC	CTG	GAT
81	H	R	K	E	E	L	Р	L	D
301	AGT	GCC.	AAT	GAA.	AGT	GAG.	AAG	CCT.	AGC
101	S	A	N	E	S 	E	K	P	S
361	GGT	GAT	CCT	GAG	TCC	GCT	GTG.	ACT	GAG
121	G	D	Р	E	S	A	V	T	E
421	AAG'	TGT'	TCC'	TGG	CTC	CCT	GGA	AGG.	AAT
141	K	С	S	W 	L.	P	G 	R	<u>N</u> .

Fig. 1(i)

ccg	raat	tcg	gca	.cga	gcc	gag	gcg	agg	gcc	tgc
C.T.G	TTG	GTG	CTG	СТА	.CTG	TGG	ACC	GCC	ACC	GTG
L	L	V	L	L	L	W	\mathbf{T}	A	Т	Λ
CAG	CCA	.CCT	GTG	ACG	AAT	TTG	AGC	GTC	тст	GTC
Q	P	P	V	${f T}$	N	L	S	V	S	V
TGG	AGT	ССТ	CCT	GAA	GGA	.GCC	AGT	CCA	AAT	TGĆ
W	S	P	P	E	G	A	S	P	N	С
GAC	CAA	CAG								
D	Q ,	Q	D	K	K	I	A	P	E	\mathbf{T}
								, <u>-</u>		• • •
GAG	AAA	ATC						-	• . •	
GAG E	-	ATC I	TGT	CTG	CAG		GGC	TCT	CAG	
E	K	I	TGT C	CTG L	CAG Q	GTG V	GGC G	TCT S	CAG Q	TGT
E	K	I	TGT C	CTG L AAG	CAG Q TGC	GTG V	GGC G TCA	TCT S	CAG Q CCT	TGT C
E CCT P	K TTG	I GTG V	TGT C AAA K	CTG L AAG K	CAG Q TGC C	GTG V ATC I	GGC G TCA S	TCT S CCC P	CAG Q CCT P	TGT C GAA E
E CCT P	K TTG L	I GTG V	TGT C AAA K ATT	CTG L AAG K	CAG Q TGC C	GTG V ATC I AAC	GGC G TCA S CTG	TCT S CCC P	CAG Q CCT P	TGT C GAA E
E CCT P CTC L	K TTG L AAG	I GTG V TGC C	TGT C AAA K —— ATT I	CTG L AAG K TGG W	CAG Q TGC C CAT H	GTG V ATC I AAC	GGC G TCA S CTG L	TCT S CCC P AGC S	CAG Q CCT P TAT	TGT C GAA E ATG M
E CCT P CTC L	K TTG L AAG K	I GTG V TGC C	TGT C AAA K —— ATT I	CTG L AAG K TGG W	CAG Q TGC C CAT H	GTG V ATC I AAC N TAT	GGC G TCA S CTG L ACT	TCT S CCC P AGC S	CAG Q CCT P TAT Y	TGT C GAA E ATG M

Fig. 1(ii)

OSDEHELE CARSS

481	TGGTACAGCAGCCTGGACAAAAGTCGT
161	WYSSLEKSR
541	ATTGCTTGTTCCTTTAAATTGACTAAA
181	I A C S F K L T K
601	ATAATGGTCAAGGATAATGCTGGGAAA
201	I M V K D N A G K
661	TCCTATGTGAAACCTGATCCTCCACAT
221	SYVKPDPH
721	TTAGTGCAGTGGAAGAATCCACAAAAT
241	LVQWKNPQN
781	GTCAATAATACTCAAACCGACCGACAT
261	VNNTQTDRH
841	AATTCCGAATCTGATAGAAACATGGAG
281	NSESDRNME
901	GCCGACGCTGTCTACACAGTCAGAGTA
301	ADAVYTVRV
961	AACAAACTGTGGAGTGAA
321	N K L W S D W S E
•	

Fig. 1(iii)

ogostara ogses

						_	_	GGT		_
Q	С	E	N	I	Y	R	E	G	Q	Н
GTG	GAA	CCT	AGT	$ ext{TTT}$	GAA	CAT	'CAG	AAC	GTT	CAA
V	E	P	S	F	E	Н	Q	N	V	Q
ATT	AGG	CCA	TCC	TGC	AAA	ATA	.GTG	TCT	TTA	ACT
I	R	P	S	С	K	I	V	S	L	T
ATT	AAA	CAT	CTT	CTC	CTC	AAA	AAT	GGT	GCC	TTA
I	K	H	L	L	L	K	N	G	A	L
TTT	AGA	AGC.	AGA	TGC	TTA	ACT	TAT	GAA	GTG	GAG
F	R	S	R	С	L	T	Y	E	V	E
AAT.	ATT'	TTA	GAG	GTT	GAA	GAG	GAC.	AAA	TGC	CAG
N	I	L	E	V	E	E	D	K	С	Q
GGT.	ACA.	AGT'	TGT	TTC	CAA	CTC	ССТ	GGT	GTT	CTT
G	${f T}$	S	С	F	Q	L	Р	G	V	L
AGA	GTC	AAA	ACA	AAC.	AAG'	TTA	TGC	TTT	GAT	GAC
R	V	K	Т	N	K	L	С	F	D	D
GCA	CAG	AGT.	ATA	GGT.	AAG	GAG	CAA	AAC'	TCC.	ACC
A	Q	S	I	G	K	E	Q	N	S	Т

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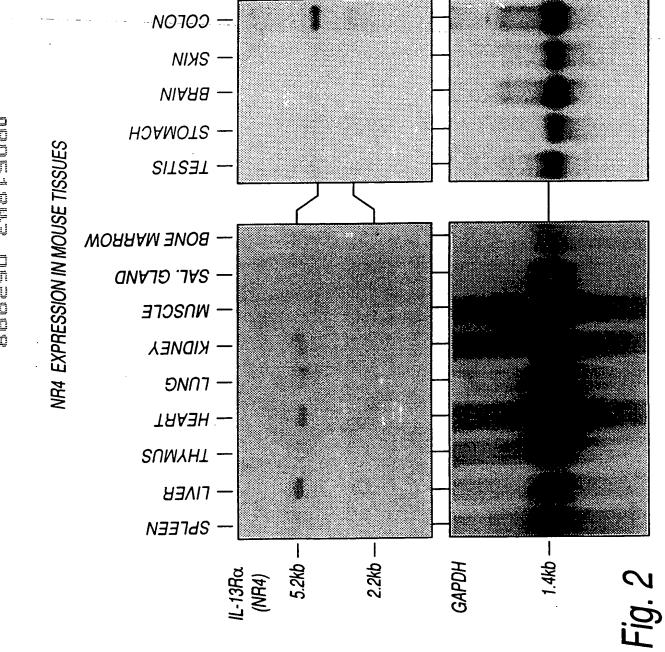
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1081 361	CTTTTTTACCTGAAAAGGCTTAAGATC	2
1141 381	ATTTTTAAAGAAATGTTTGGAGACCAC	3
1201 401	ATCTATGAGAAACAATCCAAAGAAGAA I Y E K Q S K E E	Ţ
1261 421	AAAGCAGCTCCTTGAtggggagaagtg K A A P *	J
1321 1381 1441 1501 1561	gatttattgcattctccatttgttatccttgaaaaacaggcagctcctaagagcccaaaggagctccttccaagaccctaaaagcagatgttttgccaaatcaccatcaattcatctaatcaggaattg	: a

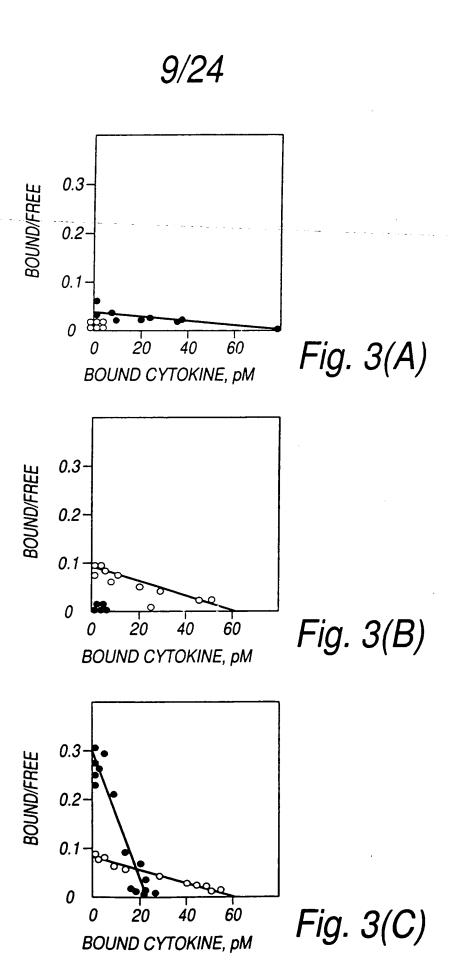
Fig. 1(v)

CCA	GTC	TTT	GTC	GCA	GTG	<u>GCA</u>	GTC	ATA	<u>ATC</u>	CTC
Р	V	F	V	A	V	A	V	Ī	Ī	L
ATT	ATA'	TTT	CCT	CCA.	ATT	CCT	GAT	CCT	GGC	AAG
I	I	F	P	P	Ι	P	D	P	G	K
AAT	GAT	GAT	ACC	CTG	CAC'	TGG.	AAG.	AAG'	TAT	GAC
N	D	D	T	L	Н	W	K	K	Y	D
ACG	GAT	rcto	GTA(GTG(CTG	ATA	GAA	AAC	CTG.	AAG
T	D	S	V	V	L	Í	E	N	L	K
att	tct	ttct	tgo	cct	tcaa	atg	tga	ccc	tgt	gaa

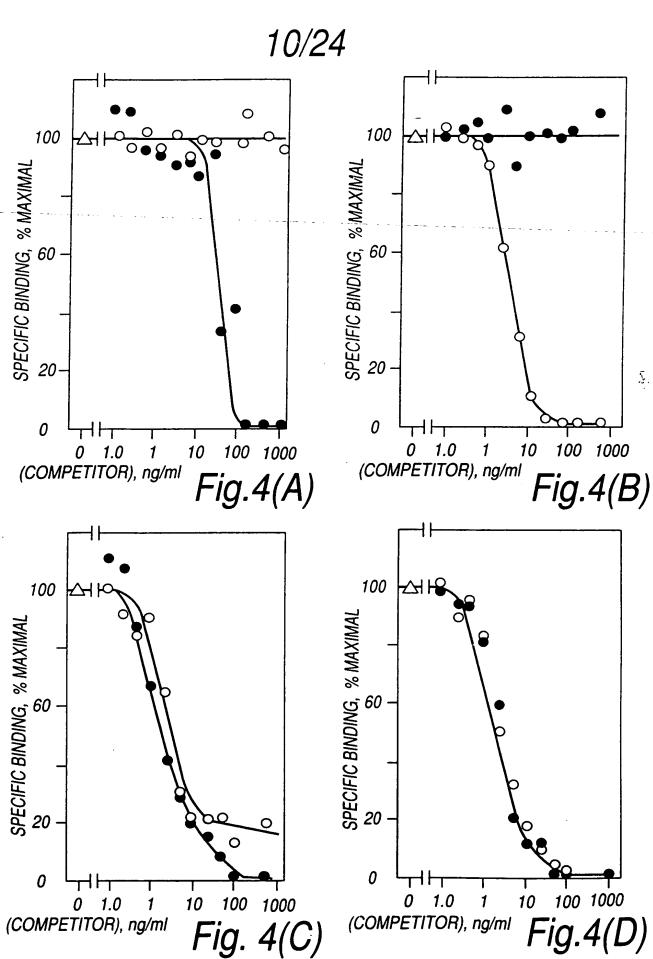
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Fig. 1(vi)









dec.



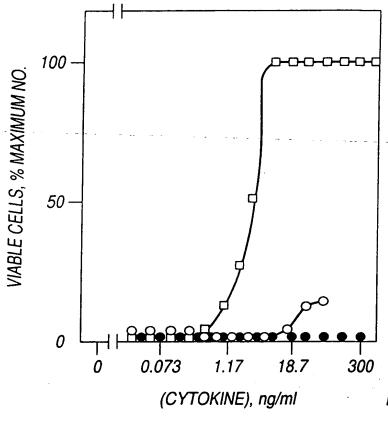


Fig. 5(A)

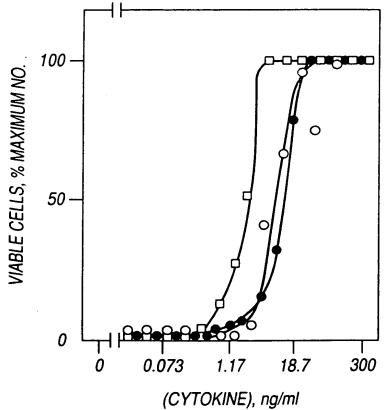


Fig. 5(B)



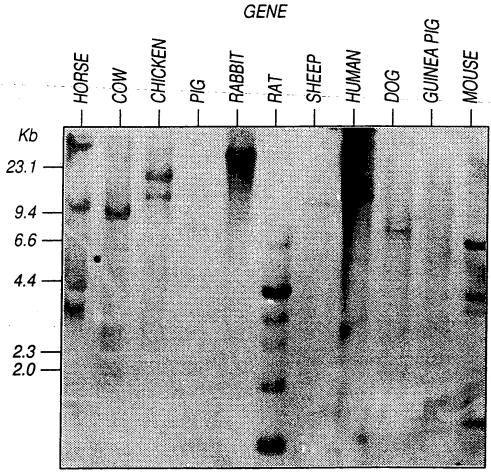


Fig. 6

(major)

DYKDD DDYKD DDESR TEVQP PVTXL SV 1 5 10 15 20 25

(minor)

ASISS SDYKD DDESR TEVQP PVTXL SV 1 5 10 15 20 25

Fig. 10

	,
14/24	15/24
16/24	17/24
18/24	19/24
20/24	21/24
22/24	23/24

Fig. 7

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ogosieka "caseba

Н		gag	rtct	aac	acg	gac	caa	ıgga	gtt	taac
M	-60	tga	aaa	ıgat	aga	ata	aat	ggc	ctc	gtgc
Н		M	E	W	P		R	L	C	G
		A'I'G *	GAG	i'I'GG	*	iGCG *	CGG	* *	TGC	GGGC
M	1	ATG	GCG	CGG	CCA	.GCG	CTG	CTG	GGC	GAGC
M	1	M	A	R	P	A	L	L	G	E
Н		G	Ğ	G	G	A	P	${f T}$	E	${f T}$
H		GGG	GGC	GGG	GGC	GCG	CCT	ACG	GAA	ACTC
		*				*		*	*	
M	61		_							GTTC
M	21	G	Q	V	A	A	A	${f T}$	E	V
Н		E	N	L	С	Т	V	I	W	${f T}$
Н		GAA	AAC	CTC	TGC	ACA	GTA	ATA	TGG	ACAT
		*	*	*	*	*		*	*	*
M	121	GAA	AAT	CTC	TGC.	ACG.	ATA	ATA	TGG.	ACGT
M	41	E	N	L	С	\mathbf{T}	I	I	W	T
Н		S	L	W	Y	F	S	Н	F	G
H		AGT	CTA	TGG'	TAT	TTT.	AGT	CAT	TTT	GGCG
			*		*	*	*	*	*	
M	181	ACT	CTC.	AGA'	TAT	TTT.	AGT	CAC	TTT	GATG
М	61	T 	L	R .	Y	F	S	H .	F	D

Fig. 7(i)

 $\mathcal{M}_{\mathcal{F},\mathcal{F}}$

15/24

acgtgcggccgggttccgaggcgagaggctgc cgaattcggcacgagccgaggcgtgcctgc L ${
m L}$ L C Α G TGTGGGCGCTGCTCTGCGCCGGCGGGGGGC TGTTGGTGCTGCTACTGTGGACCGCCACCGTG - - -L L W \mathbf{T} N S AGCCACCTGTGACAAATTTGAGTGTCTCTGTT AGCCACCTGTGACGAATTTGAGCGTCTCTGTC L S V \mathbf{T} N V S V P G W N E Α P GGAATCCACCCGAGGGAGCCAGCTCAAATTGT GGAGTCCTCCTGAAGGAGCCAGTCCAAATTGC G Α S P C W S P P \mathbf{E} K K I Α P K ACAAACAAGATAAGAAAATAGCTCCGGAAACT ACCAACAGGATAAGAAAATTGCTCCAGAAACT I A \mathbf{T} D K K D Q

Fig. 7(ii)

Н		R	R	S	I	E	V	P	L	N
Н		CGI	CGI	TCA	ATA	GAA	GTA	CCC	CTG	SAATG
*** **			*			*		*	*	
M	241	CAT	CGT	'AAA'	GAC	GAA	TTA	CCC	CTG	GATG
M	81	Н	R	K	E	E	L	P	L	D
Н		S	${f T}$	N	E	S	E	K	Р	S
Н		AGC	ACC	LAAT	GAG	AGT	GAG	AAG	CCT	AGCA
		*		*	*	*	*	*	*	*
M	301	AGT	'GCC	AAT	GAA	AGT	GAG	AAG	CCT	AGCC
M	101	S	A	N	E	S	E	K	P	S
H		·G	D	P	E	S	A	. V	\mathbf{T}	E
H		GGT	GAT	CCT	GAG	TCT	GCT	GTG	ACT	GAAC.
		*	*	*	*	*	*	*	*	*
M	361	GGT	GAT	CCT	GAG	TCC	GCT	GTG	ACT	GAGC
M	121	G	D	P	E	S	A	V	${f T}$	E
Н		K	C	S	W	L	P	G	R	N
Н		AAG	TGT	тст	TGG	CTC	CCT	GGA	AGG	AATA
		*	*	*	*	*	*	*	*	*
M	421	AAG	TGT	TCC	TGG	CTC	CCT	GGA	AGG	AATA
M	141	K	С	S	W	L	P	G	R	N
Н		W	Н	R	S	L	E	K	I	H
Н		TGG	CAC	AGA	AGC	CTG	GAA	AAA	ATT	CATC
										· · · · · · · · · · · · · · · · · · ·

Fig. 7(iii)

E	R	I	С	L	Q	V	G	S	Q	С
				CTGC						
*		*	***	*-	_ *	*	*	*	*	*
				CTGC						
E	K	I	С	L	Q	V	G	S	Q	С
I	L	V	E	K	С	I	S	P	Р	E
TT	rtgo	GTT(GAAA	CAA	rgcz	ATC	rcac	CCC	CCAC	GAA
	*	*	*	*	*	*	*	*	*	*
CT	rtgo	GTG	AAA	AAGI	rgc <i>i</i>	ATCI	rcac	CCC	CCT	SAA
				K						
L	Q	С	I	W	H	N	L	S	Y	M
				rggc						
*		*	*	*	*	*	*	*	*	*
TCA	AAG	rgcz	TT	rggc	CATA	AACC	CTGP	AGCI	TAT	ATG
L	K	С	I	W	Н	N	L	S	Y	M
${f T}$	S	P	D	${f T}$	N	Y	${f T}$	L	Y	Y
				ACTA						
				*						
CAZ	AGC	CCT	GACA	ACAC	CAC	TAT	ACTO	CTGT	CAC	TAT
				${f T}$						
_										
0	С	E	N	I	F	R	E	G	Q	Y
				ATC						

 $\bar{\mathfrak{z}}, \dots .$

D9D51843.C8298

		*			*	*	*	*		
M	481	TGG	TAC	CAGC	AGC	CTG	GAG	AAA	AGT	CGTC
M	161	W	Y	S	S	L	E	K	S	R
Н		F	G	С	S	F	D	L	T	K
Н		TTT	'GGI	TGT	TCC	TTT	GAT	CTG	ACC	AAAG
				*	*	*		*	*	*
М	541	ATT	GCI	TGT	TCC	TTT	'AAA'	TTG	ACT	AAAG
M	181	I	A	С	S	F	K	${ m L}$	${f T}$	K
H		Q	I	M	V	K	D	N	A	G
H		CAA	ATA	ATG	GTC	AAG	GAT	AAT	GCA	GGAA
		*	*	*	*	*	*	*	*	*
M	601	CAA	ATA	ATG	GTC	AAG	GAT	AAT	GCT	GGGA
M	201	Q	I	M	V	K	D	N	Α	G
H		${f T}$	S	R	V	K	P	D	P	P
H		ACT'	TCC	CGT	GTG.	AAA	CCT	GAT	CCT	CCAC
		*	*		*	*	*	*	*	*
M	661	ACT'	TCC	TAT	GTG.	AAA	CCT	GAT	CCT	CCAC
M	221	${f T}$	S	Y	V	K	P	D	P	P
H		L	Y	V	Q	W		N	P	Q
H		CTA'	TAT	GTG	CAA'	TGG	GAG	AAT(CCA	CAGA
		*		*		*		*	*	*
M	721	TTA'	TTA	GTG	CAG'	TGG.	AAG	AAT(CCA	CAAA
M	241	L 	L	V .	Q 	W	K .	N	P	Q

Fig. 7(v)

AATGTGAAAACATCTATAGAGAAGGTCAACAC Y Ι R C E N E G Η K D S S F \mathbf{E} 0 Η TGAAGGATTCCAGTTTTGAACAACACAGTGTC * TGGAACCT - - - AGTTTTGAACATCAGAACG TT \mathbf{E} Ρ F E Η S K I K P F N I AAATTAAACCATCCTTCAATATAGTGCCTTTA AAATTAGGCCATCCTGCAAAATAGTGTCTTTA I R P S C K I V L K N L S \mathbf{F} H N ATATTAAAAACCTCTCCTTCCACAATGATGAC ATATTAAACATCTTCTCCTCAAAAATGGTGCC Η I K Η L L L K N R C Ν I S L F Y ATTTTATTAGCAGATGCCTATTTTATGAAGTA ATTTTAGAAGCAGATGCTTAACTTATGAAGTG L R R C \mathbf{T} Y E N

H H		E GA <i>P</i>					Q CCAA			T SACAC		
		*	*	- ·· *	*-		* .	. *			~ .	
M	781	GAC	GTC	raa:	'AA'	'AC'I	CAA	ACC	GAC	CGAC		
M	261	E	V	N	N	${ m T}$	Q	${f T}$	D	R		
Н		E	N	P	E	F	E	R	N	Λ.		
Н		GAGAATCCAGAATTTGAGAGAAATGTGG										
			*		*			*	*			
M	841	CAG	AAT	TCC	GAA	TCT	'GAT	AGA	AAC	ATGG		
M	281	Q	N	S	\mathbf{E}	S	D	R	N	M		
Н		L	P	D	${f T}$	L	N	\mathbf{T}	V	R		
Н		CTTCCTGATACTTTGAACACAGTCAGAA										
		*		*				*	*	*		
M	901	CTT	GCC	GAC	GCT	GTC	TAC	ACA	GTC	AGAG		
M	301	L	Α	D	A	V	Y	${f T}$	V	R		
Н		D	D	K	L	W	S	N	W	S		
Н		GATGACAAACTCTGGAGTAATTGGAGCC										
		*		*	*	*	*		*	*		
M	961	GAC.	AAC.	AAA	CTG'	TGG	AGT	GAT'	TGG.	AGTG		
M	321	D	N	K	L	W	S	D	W	S		
		_			_		~			~		
Н		Т	L	Y	I	${f T}$	M	L	L	т		
H		ACACTCTACATAACCATGTTACTCATTG										
												
								- · - -				

H	N TAAT	രന്നവ	Γ	יאכנ	${}^{2}\mathrm{TCC}$	AA(JAG(7WW 1	. 61
					.*		*			
THE A TRATTOTT AGAGGTTGAAGAGAGACAAATGC										
H	N	I	L	E	V	E	E	D	K	С
E	N	Т	S	С	F	M	V	P	G	V
A	GAAT	'ACA'	TCT	rgt'	TTC	ATG	G'1'C	CCT	ر بر ی	* 2TT
		ملہ	4	*	*			^	•	
* AGGGTACAAGTTGTTTCCAACTCCCTGGTGTT E G T S C F Q L P G V										
됴	G	\mathbf{T}	S	C	F	Q	L	P	G	V
1										
_	12	V	K	${f T}$	N	K	L	C	Y	E
I R V K T N K L C Y E TAAGAGTCAAAACAAATAAGTTATGCTATGAG										
:	-1-	4	*	*	*	*	*	*		
TAAGAGTCAAAACAAACAAGTTATGCTTTGAT										
7	:AAGA 1 R	7 T D.F.	,v.	η Τ	N	K	L	С	F	D
1										
	Q E	3.6	C	т	G	ĸ	K	R	N	S
(Q E AAGA	M 	G 77 CT	፲ ነ አ ጥ 7	\GCT) ב בח	GAA	GCG	CAAT	TCC
; Z	AAGA	AA'I'(* **	*	*			*	*
* * * * * AAGCACAGAGTATAGGTAAGGAGCAAAACTCC										
	AAGC	ACA(GAG'. ~	L'A'I'A		ע. דיטי	E.	Ω	N	S
	E A	Q	S	Τ	G	V	تند	×		
	v F	v	I	V	A	G	A	I	I	V
V P V I V A G A I I V TTCCAGTCATCGTCGCAGGTGCAATCATAGTA										
- 1										

Fig. 7(viii)

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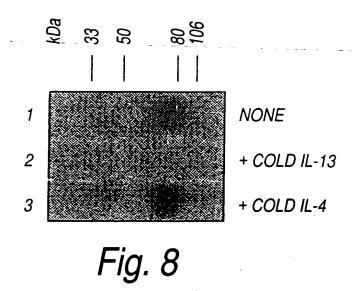
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	M	341	${f T}$	F	Y	${f T}$	${f T}$	M	${f L}$	L	${f T}$		
		•											
	Н		L	E	L	Y	_L_	_ K	R	L	_K_		
	Н		CTC	CTG	CTT	TAC	СТА	AAA	AGG	CTC	AAGA		
			*	*		*	*	*	*	*	*		
	M	1081	CTC	CTT	ΓTT	TAC	CTG	AAA	AGG	CTT	AAGA		
	M	361	L	L	F	Y	L	K	R	L	K		
		-		<u></u>									
	Н		K	I	F	K	E	M	F	G	D		
CO CO	Н	AAGATTTTTAAAGAAATGTTTGGAGACC											
E) © C) E C E C E C E C E C E C E C E C E C			*	*	*	*	*	*	*	*	*		
	M	1141 AAGATTTTTAAAGAAATGTTTGGAGACC											
	M	381	K	I	F	K	E	М	F	G	D		
	7.1	301	10	_	•				-				
	Н		D	Т	Y	E	K	0	${f T}$	K	E		
	H	GACATCTATGAGAAGCAAACCAAGGAGG											
			*	*	*	*	*	*		*	*		
	M	1201	GAC	א יייית מ	ጥልጥ	GAG	ΔΔΔί	יבבר	ייככ	ΑΑΑ	GAAG		
	M	401	D D	I	Y	E E		Q	S	K	E		
	141	401	ט	1	1	ند	10	Q	ט	11	ند		
	Н		K	K	А	S	0	*					
							~		+~~	~~~	+ +		
	H	AAGAAAGCCTCTCAGTGAtggagataat											
			*	*	*		~~-		•				
	M	1261							tgg	gga	gaag		
	M	421	K	K	A	A	P	*					

Fig. 7(ix)

TTCCAGTCTTTGTCGCAGTGGCAGTCATAATC Α V A F V I I P D Ι Ι Ι P I G F P TTATTATATTCCCTCCAATTCCTGATCCTGGC * * * TCATTATATTTCCTCCAATTCCTGATCCTGGC P I P D I I I F P P G \mathbf{T} \mathbf{L} Η W K K Y Q ND D AGAATGATGATACTCTGCACTGGAAGAAGTAC AGAATGATGATACCCTGCACTGGAAGAAGTAT \mathbf{T} H W K Y Q N D L K D \mathbf{T} S V V L I E N L E D AAACCGACTCTGTAGTGCTGATAGAAAACCTG AAACGGATTCTGTAGTGCTGATAGAAAACCTG S \mathbf{T} \mathbf{L} I \mathbf{E} N \mathbf{L} \mathbf{E} D V V ttatttttaccttcactgtgaccttgagaaga

Fig. 7(x)

tgatttctttcttgccttcaatgtgaccctgt



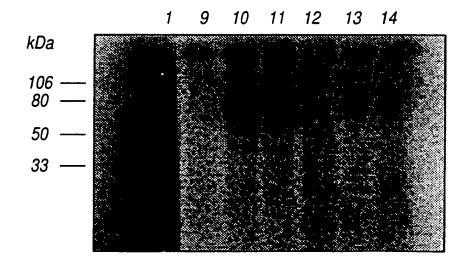


Fig. 9